

Fig. 1

NL1:

MLL.															1								
GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA															60								
CTC	CTCCTCCTCCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAAGAAT															120							
ACC	ACCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGATACTCAGCGGATACTTCGGCCGAGCCATGGCCGACACCATCTTCGGCCGAGCCGAGCCATGGCCGAGCCATCTTCGGCCGAGCCATGGCCGAGCCATCTTCGGCCGAGCCATGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCTTCGGCCGAGCCATCTTCAGCCGAGCCATCTTCGGCCGAGCCATCTTCGGCCGAGCCATCTTCAGCAGCCATCTTCAGCCAGC															180							
	M A D T I F G S G N D Q															12							
TGG	GTT'	rgcc	CCF	TA	GAC	CGG	CAG	СТТ	'GC	CCT	'TC	:GA	GC	CAJ	AGC	TG	CAGA	ACG(GGC1	rgg	TC	C	240
W	V	С	P	N	D	R	Q	L	F	Ą	L	R	Α		К	L	Q	T	/G	W	S	5	32
GTG	CAC.	ACCI	AC	CAG.	ACG	GAG	AAG	CAC	SAG	GAG	GP	λAG	CA	GC	ACC	CTC	AGC	CCG	GCG(GAG	GT	'G	300
V		Т	Y		Т		K		· F				Q		Н		S	P	А	E	7		52
-		ATC	CTG		GTC	ATC	CAG	AG	GGC	CAG	\GC	CGG	CT	CG.	ACC	STC	CTG	GAG	CAG	CAG	ΑC	ŝΑ	360
E.E	A	I		Q.		I	Q		٤ :				L				L		Q	_	_	R	72
		CGG(_		CGG	CTO	3GA	GA(CCA'	rgz	4G0	3CG	ιGΑ	ATO	GTG	ATG	GGG	AAC	GGC	CC	rG	420
T		R		V			L	E		Т	М		R			V	М		N	_			92
_	_	TGT				CGGG	GA	GGT	GC'	TGG	GC'	тт	CCT	'GG	GC.	AGC	TCG	TCG	GTG	TT	CT	GC	4 =80
S				L		G			V				· I			s	S		V			С	. 112
	_	CTGC	_			CTG(3AA	GAG	GT	CGG	GG	GC	СТС	G]	rTC	TAC	CAAA	\GG0	GCTC	CCC	CA	AG	540
. Ara			R			W			R	s			\ V			Y		G	_	, E		K	132
_	. –	CTTG								GAG	CT	'GA	TGA	AG(CCC	CA	GTT(CCG?	ACC1	rTG	GC	CC	600
	rai 7 I		F						G	R	Α			E	P							P	152
	_	ACC				-			3A.F	\GC1	rct	'GA	.GA	CC.	AGC	CCG	CAT	CTA	CAC	ЭТG	GG	GCC	660
		ACCI				E				s				Т		R		E Y		г 1			172
	•	a Baagi												CG	GA′	гст	TAG	CTC	CTC	CAG	GC(СТА	720
					/ S		5 1			D									5 ;				192
		G R ACAG																ACC	CTG	GAA	\G(GAG	780
G <i>F</i>										R						3 [K I		W			212
	_	D R		_	P S		-	G CCD	-								-		_				840
T	CAG	STGG														ACC			G				232
	S	G G	3	S	V E	Ξ.	A	Р	R	M	(3	r	Т	ļ	الح	L	Α,	-	••	_	-	

GGG'	rTG(CAGF	AGC <i>I</i>	AGC:	CTG	GCC#	AGTG	GTC	GAGA	CGG	GC2	ACAG	GCI	CTG	СТС	SACC	CGC	CAC	GGG	900
G	L	Q	s	S	L	A	S	G	E	Т	G	T	G	S	А	D	P	P	G	2,52
GGA	GG.	ACAC	GC.	rct	GCTC	3AC	CCGC	CAC	GGGG	GAC	CCC	CGCC	CCC	GGC	TGF	ACCC	GAA	.GG(3CC	960
G	G	Т	G	s	A	D	P	P	G	G	P	R	P	G	L	Т	R	R	А	272
CCG	ЗТА	AAA	SAC	ACA	CCT	GGA(CGAC	GCC	CCCG	CTC	3CT	GACG	GCAC	GCTC	CAC	GCAG	GCC	CC	rcc	1020
P	V	К	D	Т	P	G	R	A	Р	A	А	D	A	A	Р	А	G	P	s	292
AGC	TGC	CTG	GGC'	TGA	.GGT(GTC'	TGGT	rgc	CTGG	AAG	CAG.	ACTI	CCC	CTGI	'GGA	₹GGA	TTC	СТС	GCC	1080
s	С	L	G	*													î			296
AGA	ccc	TGC	CCG	GCT	CCT	CCC'	TGAG	CCG	GTCC	ттс	STG	CCCI	CAC	CCAG	AC/	ACCC	TGI	тg	GCC	1140
ATG	ACT	'CAA	CAA.	ACC	AGT(GTT:	GGG <i>I</i>	AGC(CGTC	TG	ССТ	ccc	CAG	CTCF	AGTO	GCCI	TTC	CTG	CAC	1200
ccc	ттс	TCT	CCT	GGG	GAG	CTG	TCT	GCA'	TCC	GC?	ACC	CCCI	rcci	AAC	CAC	rgcc	СТС	CAG	ccc	1260
CCG	ACC	'ATT	TTT.	TTA	ACC	CTC	CCC'	rcc	CAC	ACC	ccc	- AAT	СТА	CCT	GGT	GAT	GAT'	гтт	AAG	1320
ттт	GCG	CGT	GTC	тте	GGT	TGG	GCT	GGG	GGG?	ттт	ccc	'ACA'	rgc.	AGT	GTC.	AGA	GGG(GCC	GCC	1380
CGG	TGG	GGC'	TAT	СТС	CCGT	TGC	TAT	ATT	AATO	GC.	AAG	ACT	AAA	TGA	AAC	CTA	GGG(CAC	GGC	1440
CTC	CGA	\AGC	TGC	GTG	TGG	ccc	CTT	AGA	.GGT	3AG	CAT	'CAG	AGC	CAG	AGC	AGŢ	GAG	GGG	GAG	1500
ACT	CAC	CCA	ccc	TCI	ccc	TCT	CCC'	ттс	'AGC'	rct	GGG	AGG(CAG	GCG	CAG	TGC	CCC	CCT	ccc	1.560
ATG	GGC	TGG	ccc	AGG	SACC	GCG	GGT	GAA	ACC!	rgg	GTC	TGT'	ТТА	GTT'	TCT	TTG	GTT'	ттт	GTA	1620
TGT	TTG	TTT	GTT	ттт	rgac	ACA	GTC	TCG	CTT	rgt	TGC	CCA	GGC	TGG	GGT	GCA	GTG	GCA	CGA	1680
TCG	CGG	CTC.	ACT	GCF	ACC	TCC	ACC	TCC	CGG	3CT	CAA	.GCG	ATT	CTC'	TCA	CCT	CAG	CCT	CCT	1740
GAG	TAG	GTG	GGA	TTF	ACAG	ATG	CCC	GCC	ACC	ACA	ccc	'AGT	ГAA	TTT'	TTG	TAT	rtt	TAG	AAG	1800
AGA	TGG	GGT	TTC	TCC	CATG	TTG	GCC.	AGG	CTG	3TC	TTG	AAC'	TCC	TGG'	TCT	CAA	GTG.	ATC	CGC	1860
CCG	CCI	CGG	CCT	CCC	CAAA	GTG	CTG	GGA	ATTA	CAG	GTG	TGA	GCC	ACC	GCA	.CCC	TAA	CCT	TTA	1920
AGG	TTT	CTT	TGA	ATO	ccc	TCA	TGG	CCT	'GCC'	rgg	ттт	TTG	CTC	AGC	CTG	TCT'	TCA	GCT	'TGA	1980
GGA	.GC1	rggg	AAG	CTC	CTGG	TGG	ATG	CTA	TGA	АСТ	CAC	TTG	CTG	AAG.	AGC	AGC	GTT	CAG	GTG	2040
CAT	'CCC	CCAG	CCA	\GG(GCAC	GTG	GCT	ccc	TCA	GCC	ATC	TAAG	TCA	CTT.	CTC	TTC	AGG	AGG	TTT	2100
GGC	TTC	GGCA	TGA	\AA\	ATAC	TTC	TTA	CAG	SAGT	ATG	GGC	CAAA	TGC	TTC	TGG	AAA.	ACC	CTI	.ccc	2160
TGA	\AG <i>I</i>	AGAG	AGA	AC	STGT	GTG	STGT	GTG	TCG	GTG	ATC	CACA	ccc	TCC	CAT	CCT	TCC	TGC	CTC	2220
CTG	CCC	CCAA	ACC	CCC	GGGT	TCC	CTGG	GTC	TGG.	AAG	GGC	CTT	CTC	TCC	AAG	CTG	GGA	GCI	CCT	2280

GGGCCCCACCATTCACTTTTGTCCTTGCTGCTGGCAAACAGTAAAGAAACTCACTTTC	234U -
CCTGTGGCACGTTATGCTTCAGAATTAAAACAATGAAGATTAAAA	2385

Fig. 2

CL1:

GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA													60							
CTCCTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA															120					
ACC	CCC.	AGC	CGG	GTG	CTC	CGA	GCC	ATG	GCC	CGAC	CACC	ATC	TTC	GGC	CAGO	CGGĢ	AAT	'GAT	CAG	180
	M A D T I F G S G N D Q															12				
TGG	GTT'	TGC	CCC.	ААТ	GAC	CGG	CAG	СТТ	GCC	ССТТ	rcga	.GCC	AAG	CTG	CAC	ACG	GGC	TGG	TCC	240
W	V	С	P	N	D	R	Q	L	А	L	R	A	K	L	Q	Т	G	W	S	32
GTG	CAC	ACC	TAC	CAG	ACG	GAG	AAG	CAG	AGG	AGG	SAAG	CAG	CAC	CTC	AGC	CCG	GCG	GAG	GTG	300
V	Н	Т	Y	Q	Т	E	K	Q	R	R	К	Q	Н	L	s	P	A	E	V	52
GAG	GCC.	ATC	CTG	CAG	GTC.	ATC	CAG	AGG	GCA	\GA@	GCGG	CTC	GAC	GTC	СТС	GAG	CAG	CAG.	AGA	360
E	A	I	L	Q	V	I	Q	R	A	Ε	R	L	D	V	L	Е	Q	Q	R	۔ 72 م
ATC	GGG	CGG	CTG	GTG	GAG	CGG	CTG	GAG.	ACC	CATO	AGG	CGG	AAT	GTG	АТС	GGG	AAC	GGC	CTG.	420
I	G	R	L	V	E	R	L	E	Т	М	R	R	N	V	M	G	N	G	L	92
TCC	CAGʻ	TGT	CTG	CTC	TGC	GGG	GAG	GTG	СТС	GGC	CTTC	CTG	GGC.	AGC	TCG	TCG	GTG	TTC	TGC	480
s	Q	С	L	L	С	G	E	V	L	G	F	L	G	s	S	S	V	F	С	112
AAA	GAC'	TGC	AGG.	AAG	AAA	GTC'	TGC.	ACC.	AAA	TGT	'GGG	ATC	GAG	GCC	TCC	CCT	GGC	CAG.	AAG	540
К	D	С	R	K	K	V	С	Т	K	С	G	I	E	A	s	P	G	Q	K	132
CGG	ccc	CTG	TGG	СТG	TGT.	AAG/	ATC	TGC.	AGT	'GAG	CAA	AGA	GAG	GTC	TGG	SAAG	AGG	TCG:	GGG	600
R	P	L	W	L	С	К	I	С	s	E	Q	R	Ε	٧	W	K	R	s	G	152
GCC'	rggʻ	TTC	TAC	AAA	.GGG	CTC	CCC.	AAG	TAT	'ATC	TTG	ccc	CTG.	AAG	ACC	CCT	GGC	CGA	GCT	660
A	W	F	Y	K	G	L	P	К	Y	I	L	P	L	K	Т	P	G	R	А	172
GAT	GAC	ccc	CAC	TTC	CGA	CCT'	ТТG	CCC.	ACG	GAP	\CCG	GCA	GAG	CGA	.GAG	CCC	AGA	AGC'	rct	720
D	D	P	н	F	R	P	L	Р	т	E	P	Д	F.	R	E.	P	R	s	S	192

GAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTGGTTTCCAGTGACAGTGACAGT												
ETSRIYTW ARG RV VSS DS DS 212	2											
GACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTCAGGGAC 840)											
DSDLSSSSLEDRLPSTGVRD 232	2											
CGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGGATGGGG 900)											
RKGDKPWKESGGSVEAPRMG 252	2											
TTCACCCAACCCGCGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGTGAGACG 960)											
FTQPAGHLFGLQSSLAS ['] GET 272	2											
GGCACAGGCTCTGCTGACCCGCCAGGGGGAGGGACAGGCTCTGCTGACCCGCCAGGGGGA 1020)											
GTGSADPPGGGTGSADPPGG 292	2											
CCCCGCCCCGGGCTGACCCGAAGGGCCCCGGTAAAAGACACACCTGGACGAGCCCCCGCT 1080)											
PRPGLTRRAPVKDTPGRAPA 312	2											
GCTGACGCAGCTCCAGCCCCCCCCAGCTGCCTGGGCTGAGGTGTCTGGTGCCTGGAA 1140)											
ADAAPAGPSSCLG * 325	5											
CAGACTTCCCTGTGGAGGATTCCTGCCAGACCCTGCCCGGCTCCTCCCTGACCGGTCCTT /1200)											
GTGCCCTCACCAGACACCCTGTTGGCCATGACTCAACAAACCAGTGTTGGGAGCCGTCTG 1260	О											
CCTCCCCAGCTCAGTGCCTTTCTGCACCCCTTCTCTCTGGGGAGCTGTCTGCATCCGCC 1320	0											
ACCCCTCCAACCACTGCCCTCAGCCCCGACCTTATTTATT	0											
CCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGGGGGTTT 1440	0											
CCCACATGCAGTGTCAGAGGGGCCGCCCGGTGGGGCTATCTCCGTTGCTATATTAATGGC 1500	0											
AAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAG 1560	0											
CATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACCCTCTCCCTTCCCCTTCAGCTCT 1620	0											
GGGAGGCAGGCGCAGTGCCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAAACCTGG 1680	0											
GTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTTGTTTTTTTGACACAGTCTCGCTTTGT 174	0											
TGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCTCCACCTCCCGGGCT 180	0											
CAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCCACCACA 186	0											
CCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGGCTGGTC 192	0											
TTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAG 198	0											

Fig.3

CL2:

60 CTCCTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 120 ACCCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG , 180 240 GAACAGGACCAACACAGTCCCTGGTCTTAAAGCACAGGTGGGCAGAGGCTGCAGACGGGC 300 TGGTCGGTGCACACCTACCAGACGGAGAAGCAGAGGAAGCAGCACCTCAGCCCGGCG 360 GAGGTGGAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGCGGCTCGACGTCCTGGAGCAG 420 480 CAGAGAATCGGGCGGCTGGAGCCGCTGGAGACCATGAGGCGGAATGTGATGGGGAAC 8 R R N V M G N GGCCTGTCCCAGTGTCTGCTCTGCGGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTG 540 28 LC GEV LG F L G S S C L TTCTGCAAAGACTGCAGGAAGAAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGC 600 48 CRKKVCT КC GIE CAGAAGCGGCCCCTGTGGCTGTAAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGG 660 68 K R K I C S E QRE L W L C K R P

TCG	GGG(GCC	TGG'	TTC'	TAC	AAA	GGGC	TC	CCC.	AAG:	rat <i>i</i>	ATCI	TGG	CCC	CTG	AAG.	ACC	CCT	GGC	720
s	G	А	W	F	Y	K	G	L	P	K	Y	I	L	Р	L	К	Т	P	G	88
CGA	GCT	GAT	GAC	CCC	CACT	TTC	CGAC	CCT	ГТG	CCC	ACG	GAAC	CCG	GCA	GAG	CGA	GAG	CCC	AGA	780
R	A	D	D	Р	Н	F	R	P	L	P	Т	E	Р	А	Ε	R	E	P	R	108
AGC'	TCT	GAG	ACC.	AGC	CGC	ATC'	TACA	ACG	rgg	GCC	CGA	GGA/	AGA(ЗТG	GTT	TCC.	AGT	GAC	AGT	840
S	S	E	T	S	R	I	Y	т	W	A	R	G	R	V	V	S	S	D	S	128
GAC.	AGT	GAC	TCG	GAT	CTTA	AGC'	TCCI	CCZ	AGC	CTA	GAG	GAC	AGA	CTC	CCA'	rcc.	ACT(GGG(GTC	900
D	S	D	S	D	L	S	S	S	S	L	E	D	R	L	P	S	T	G	V	148
AGG	GAC	CGG	AAA	GGC	GAC	AAA	CCCI	rgg/	AAG	GAG	rca:	GGT	GGC/	ÄGC	GTG	GAG	GCC	CCC	AGG	9,60
R	D	R	K	G	D	K	P	W	K	E	S	G	G	s	V	E	А	P	R	168
ATG	GGG	TTC	ACC	CAA	CCC	GCG	GGC	CAC	CTC	TTT	GGG'	TTG	CAG	AGC	AGC	CTG	GCC	AGT(GGT	1020
M	G	F	Т	Q	P	A	G	Н	L	F	G	L	Q	S	S	L	A	S	G	188
GAG	ACG	GGC	CACA	.GGC	TCT	GCT	GAC	CCG	CCA	.GGG(GGA	GGG <i>I</i>	ACA(GGC	TCT	GCT	GAC(CCG	CCA	1080
E	Т	G	Т	G	S	A	D	P	P	G	G	G	Т	G	S	A	D	P	P	208
GGG	GGA	.CCC	CCGC	CCC	:GGG	CTG	ACC	CGA.	AGG	GCC	CCG	GTA/	AAA	GAC	ACA	CCŤ	GGA	CGA	GCC /	1140
G	G	Ρ	R	P	G	L	T	R	R	Α	P	V	K	D	Т	P	G	R	A	. 228
CCC	GCT	'GC'I	rgac	GCA	GCT	CCA	.GCA	GGC	CCC	TCC.	AGC	TGC	CTG	GGC	TGA	GGT	GTC'	TGG'	TGC	1200
P	A	A	D	Α	A	P	A	G	P	S	S	С	L	G	*					243
СТС	GAA	CAC	GACT	TCC	CTG	TGG	AGG	ТТА	CCI	'GCC	AGA	.CCC'	TGC	CCG	GCT	CCT	CCC'	TGA	CCG	1260
GTC	CTT	'GT(GCCC	CTCP	ACCA	GAC	ACC	CTG	ттс	GCC	АТG	ACT	CAA	CAP	ACC	AGT	GTT	GGG.	AGC	1320
CGT	'CTG	GC.	rccc	CCAG	GCTC	AGT	'GCC'	ТТТ	CTG	CAC	CCC	TTC	TCT	CCI	'GGG	GAG	CTG	TCT	GCA	1380
TCC	CGCC	CAC	CCCC	CTCC	CAAC	CAC	TGC	CCT	CAG	SCCC	CCG	ACC	TTA	ТТТ	'ATT	ACC	CTC	CCC	TCC	1440
CAC	ACC	ccc	CAAT	CTF	ACCT	GGT	'GAT	GAT	ттт	AAG	ттт	GCG	CGT	'GT	CTTG	GGI	TGG	GCT	GGG	1500
GGG	TTT	,CC	CACA	ATGO	CAGT	GTC	AGA	GGG	GCC	CGCC	CGG	TGG	GGC	TAT	СТС	CGT	TGC	TAT	АТТ	1560
AAT	'GGC	CAA	GACT	'AA'	ΑТGA	AAC	CTA	GGG	CAC	CGGC	CTC	CGA	AGC	TGC	CGTC	TGG	GCC	СТТ	AGA	1620
GGT	'GAG	GCA'	rcac	SAGO	CCAG	AGC	CAGT	GAG	GGG	GAG	ACT	'CAC	CCA	CCC	CTCT	ccc	CTCT	ccc	TTC	1680
AGC	TCT	'GG(GAGG	CAC	GCG	CAG	TGC	ccc	CCI	ccc	ATG	dGC	TGG	CCC	CAGG	ACC	CGCG	GGT	GAA	1740

ACCTGGGTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTTGTTTTTTGACACAGTCTCG 1800 CTTTGTTGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCTCCACCTCC 1860 CGGGCTCAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCC 1920 ACCACACCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGG 1980 CTGGTCTTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGA 2040 TTACAGGTGTGAGCCACCGCACCCAATCCTATTAGGTTTCTTTGAATCCCCTCATGGCCT 2100 GCCTGGTTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTA 2160 2220 2280 TCGGTGATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTC 2400 TGGAAGGGCCTTCTCCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCT 2460 TGCTGCTGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTA 2520 2538 AAACAATGAAGATTAAAA

Fig. 4

CL3:

60 CTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA 120 ACCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCÁTCTTCGGCAGCGGGAATGATCAG 180 A D T I F G S G N D Q 12 TGGGTTTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCTGCAGACGGGCTGGTCC 240 N D R Q L A L R A K L Q 32 GTGCACACCTACCAGACGGAGAAGCAGGAGGAAGCAGCACCTCAGCCCGGCGGAGGTG 300 QRRK 52 Q T P A E V VHTY E K 0 H L S GAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGCGGCTCGACGTCCTGGAGCAGCAGAGA 360 72 RAER L D V L

ATCGGGCGGCTGGAGCCGGAGACCATGAGGCGGAATGTGATGGGGAACGGCCTG	-420
I G R L V E R L E T M R R N V M G N G L	.92
TCCCAGTGTCTGCTGCGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTGTTCTGC	480
S Q C L L C G E V L G F L G S S S V F C	112
AAAGACTGCAGGAAGAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGCCAGAAG	540
K D C R K K V C T K C G I E A S P G Q K	132
CGGCCCCTGTGGCTGTAAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGGTCGGGG	600
R P L W L C K I C S E Q R E V W K R S G	152
GCCTGGTTCTACAAAGGGCTCCCCAAGTATATCTTGCCCCTGAAGACCCCTGGCCGAGCT	660
AWFYKG LPKYIL PLKT PG R A	172
GATGACCCCCACTTCCGACCTTTGCCCACGGAACCGGCAGAGCGAGAGCCCAGAAGCTCT	720
D D P H F R P L P T E P A E R E P R S S	192
GAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTCGTAGGAAGAAGTGCTGATCC	780
ETSRIYTW ARGR V V G R K C *	210
ACGCTGCAGCCTGGATGAGTCCTTGAAAACACCATGCGAAGTGGAAGAAGCCGGAGACGA	840
AAGGCCGCGTGTTGTGTGATCTCATCTATATGAGCAGTGGTTTCCAGTGACAGTGACAGT	900
GACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTCAGGGAC	960
CGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGGATGGGG	1020
TTCACCCAACCCGCGGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGTGAGACG	1080
GGCACAGGCTCTGCTGACCCGCCAGGGGGAGGGACAGGCTCTGCTGACCCGCCAGGGGGA	1140
CCCCGCCCGGGCTGACCCGAAGGGCCCCGGTAAAAGACACACCTGGACGAGCCCCCGCT	1200
GCTGACGCAGCTCCAGCCCCCCCCCCGGCTGCCTGAGGTGTCTGGTGCCTGGAA	1260
CAGACTTCCCTGTGGAGGATTCCTGCCAGACCCTGCCCGGCTCCTCCCTGACCGGTCCTT	1320
GTGCCCTCACCAGACACCCTGTTGGCCATGACTCAACAAACCAGTGTTGGGAGCCGTCTG	1380
CCTCCCCAGCTCAGTGCCTTTCTGCACCCCTTCTCTCTGGGGAGCTGTCTGCATCCGCC	1440
ACCCCTCCAACCACTGCCCTCAGCCCCGACCTTATTTATT	1500
CCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGGGGGTTT	1560

CCCACATGCAGTGTCAGAGGGGCCGCCGGTGGGGCTATCTCCGTTGCTATATTAATGGC -1620 AAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGAGGTGAG 1:680 CATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACCCTCTCCCTTCAGCTCT 1740 GGGAGGCAGGCGCAGTGCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAAACCTGG 1800 GTCTGTTTAGTTTCTTTGGTTTTGTATGTTTTGTTTTGACACAGTCTCGCTTTGT 1860 TGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACCTCCACCTCCCGGGCT 1920 CAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCCACCACA 1980 CCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGGCTGGTC 2040 TTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAG 2100 TTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTATGAACT 2220 2400 ATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTCTGGAAG 2460 GGCCTTCTCCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCTTGCTGC 2520 TGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTAAAACAA 2580 TGAAGATTAAAA 2592

Fig.5

CL4:

GGCTCCTCATCTGGAACACCTCGGGTCACCCCCGACAACGGTGGTGGGAGGGA	60
CTCCTCCTCCTGGTGGGGCCTGTCTGGGTGAAGCCCCTCTGTTCCCGAGGATCGTCCCA	120
ACCCCAGCCGGGTGCTCCGAGCCATGGCCGACACCATCTTCGGCAGCGGGAATGATCAG	180
TGGGTTTGCCCCAATGACCGGCAGCTTGCCCTTCGAGCCAAGCACTGACTG	240
GAACAGGACCAACACAGTCCCTGGTCTTAAAGCACAGGTGGGCAGAGGCTGCAGACGGGC	300
TGGTCCGTGCACACCTACCAGACGGAGAAGCAGGAGGAAGCAGCACCTCAGCCCGGCG	360

GAGGTGGAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGCGGCTCGACGTCCTGGAGCAG													
CAGAGAATCGGGCGGCTGGAGCCGGCTGGAGACCATGAGGCGGAATGTGATGGGGAAC													
M R R N V M G N													
GGCCTGTCCCAGTGTCTGCTCTGCGGGGAGGTGCTGGGCTTCCTGGGCAGCTCGTCGGTG	540												
G L S Q C L L C G E V L G F L G S S V	28												
TTCTGCAAAGACTGCAGGAAGAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCCTGGC	600												
F C K D C R K K V C T K C G I E A S P G	48												
CAGAAGCGGCCCCTGTGGCTGTAAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGG	660												
Q K R P L W L C K I C S E Q R E V W K R	68												
TCGGGGGCCTGGTTCTACAAAGGGCTCCCCAAGTATATCTTGCCCCTGAAGACCCCTGGC	720												
S G A W F Y K G L P K Y I L P L K T P G	88												
CGAGCTGATGACCCCCACTTCCGACCTTTGCCCACGGAACCGGCAGAGCGAGAGCCCAGA	780												
R A D D P H F R P L P T E P A E R E P R	108												
AGCTCTGAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTCGTAGGAAGAAGTGC	840												
S S E T S R I Y T W A R G R V V G R K C /	128												
TGATCCACGCTGCAGCCTGGATGAGTCCTTGAAAACACCATGCGAAGTGGAAGAAGCCGG	.900												
AGACGAAAGGCCGCGTGTTGTGTGATCTCATCTATATGAGCAGTGGTTTCCAGTGACAGT	960												
GACAGTGACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTC 1	1020												
AGGGACCGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCCAGG 1	1080												
ATGGGGTTCACCCAACCCGGGGCCACCTCTTTGGGTTGCAGAGCAGCCTGGCCAGTGGT 1	1140												
GAGACGGCCACAGGCTCTGCTGACCCGCCAGGGGGGGGGG	200												
GGGGGACCCCGCCCGGGCTGACCCGAAGGGCCCCGGTAAAAGACACACCTGGACGAGCC 1	.260												
CCCGCTGCTGACGCAGCTCCAGCTCCAGCTGCCTGGGCTGAGGTGTCTGGTGC 1	.320												
CTGGAACAGACTTCCCTGTGGAGGATTCCTGCCAGACCCTGCCCGGCTCCTCCCTGACCG 1	.380												
GTCCTTGTGCCCTCACCAGACACCCCTGTTGGCCATGACTCAACAAACCAGTGTTGGGAGC 1	440												
	500												
TCCGCCACCCCTCCAACCACTGCCCTCAGCCCCCGACCTTATTTAT	560												

${\tt CACACCCCAATCTACCTGGTGATGATTTTAAGTTTGCGCGTGTCTTGGGTTGGGCTGGG}$	1620
GGGTTTCCCACATGCAGTGTCAGAGGGGCCGCCCGGTGGGGCTATCTCCGTTGCTATATT	1680
AATGGCAAGACTAAATGAAACCTAGGGCACGGCCTCCGAAGCTGCGTGTGGCCCCTTAGA	1740
GGTGAGCATCAGAGCCAGAGCAGTGAGGGGGAGACTCACCCACC	1800
AGCTCTGGGAGGCAGGCGCAGTGCCCCCCTCCCATGGGCTGGCCCAGGACCGCGGGTGAA	1860
ACCTGGGTCTGTTTAGTTTCTTTGGTTTTTGTATGTTTTGTTTTTTTGACACAGTCTCG	1920
CTTTGTTGCCCAGGCTGGGGTGCAGTGGCACGATCGCGGCTCACTGCAACCŢCCACCTCC	1980
CGGGCTCAAGCGATTCTCTCACCTCAGCCTCCTGAGTAGGTGGGATTACAGATGCCCGCC	2040
ACCACACCCAGTTAATTTTTGTATTTTTAGAAGAGATGGGGTTTCTCCATGTTGGCCAGG	2100
CTGGTCTTGAACTCCTGGTCTCAAGTGATCCGCCCGCCTCGGCCTCCCAAAGTGCTGGGA	2160
TTACAGGTGTGAGCCACCGCACCCAATCCTATTAGGTTTCTTTGAATCCCCTCATGGCCT	2220
GCCTGGTTTTTGCTCAGCCTGTCTTCAGCTTGAGGAGCTGGGAAGCTCTGGTGGATGCTA	2280
TGAACTCACTTGCTGAAGAGCAGCGTTCAGGTGCATCCCCAGCCAG	2340
TCAGCCATGAATTCACTTCTCTCAGGAGGTTTGGCTTGGCATGAAAATACTTCATTCA	2,400
AGTATGGGCAAATGCTTCTGGAAAACCCTTCCCTGAAGAGAGAG	2460
TCGGTGATCACACCCTCCCATCCTTCCTGCCTCCTGCCCCAAACCCCGGGTTCCTGGGTC	2520
TGGAAGGGCCTTCTCTCCAAGCTGGGAGCTCCTGGGCCCCCACCATTCACTTTTTGTCCT	2580
TGCTGCTGGCAAACAGTAAAGAAACTCACTTTCCCTGTGGCACGTTATGCTTCAGAATTA	2640
AAACAATGAAGATTAAAA	2658

Fig. 6

	0	Ó	06	90	06	90	06		65	180
06	1 ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !		rcreeer	rcreger	rcreger	rcreger	rcreeer	180	TGATCAG	TGATCAG
92	1		GGGGCCTG1	GGGCCTG1	GGGGCCTG	GGGGCCTG	GGGGCCTG	165 166	AGCGGGAA	AGCGGGAA
75	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		TCCCTGGT	TCCCTGGT	STCCCTGGT	TCCCTGGT	crccreer	165	ATCTTCGGC	ATCTTCGGC
60 61	1		C CTCCTCC	C CTCCTCC	CTCCTC	sc creere	SC CTCCTC	150 151	CC GACACC	C GACACC
	1		GGAGAGCGG	GGAGAGCGG	GGAGAGCGG	SGGAGAGCGC	3GGAGAGCG(GAGCCATGG	CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG
9 4 6	1		GGGAG	GGGAG	GGGAG	GGGAC	GGGA	135 136	CTCC	
45	 		CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	CCCGACAACGGTGGT GGGAGGGAAGGGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	CCCGACAACGGTGGT GGGAGGGAGAGCGGC CTCCTCCTCCTGGT GGGGCCTGTCTGGGT	135	ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG	ACCCCCAGCCGGGTG
31	1		CCCGA	CCCGA	CCCGA	CCCGA	CCCGA	121		
30			CCTCGGGTCACC	CCTCGGGTCACC	CCTCGGGTCACC	CCTCGGGTCACC	CCTCGGGTCACC	120	TCCCA	AGGATCGTCCCA
15 16		! ! !	A ACA	A ACA	A ACA	A ACA	ia ACA	5 106	;	וכ ככפ
		! ! ! ! ! ! ! !	GGCTCCTCATCTGGA ACACCTCGGGTCACC	3 LC1 GGCTCCTCATCTGGA ACACCTCGGGTCACC	GGCTCCTCATCTGGA ACACCTCGGGTCACC	5 LC3 GGCTCCTCATCTGGA ACACCTCGGGTCACC	GGCTCCTCATCTGGA ACACCTCGGGTCACC	91 105		2 NL1 GAAGCCCTCTGTTC CCGAGGATCGTCCCA
7		1 NOC2	2 NL1 (3 LC1	4 LC2	5 LC3	6 LC4	O1	1 NOC2	2 NL1

180

6 LC4 GAAGCCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG

4 LC2 GAAGCCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG

5 LC3 GAAGCCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG

3 LC1 GAAGCCCCTCTGTTC CCGAGGATCGTCCCA ACCCCCAGCCGGGTG CTCCGAGCCATGGCC GACACCATCTTCGGC AGCGGGAATGATCAG

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C	108	223	223	0/0	223	270		179	294	294	360	294	360	
270	1 1 1	 	1	GTCTTAA	!	GTCTTAA	360	9099000	5055000	9099000	SCCGGCG	9099000	5055000	450
255 256	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1	AGTCCCTG	t 1 1 1 1	AGTCCCTG	5 346	CACCTCAG	CACCTCAG	CACCTCAG	CACCTCAG	CACCTCAG	CACCTCAG	435 436
2	1	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TGACTGCACAGCAGT GAACAGGACCAACAC AGTCCCTGGTCTTAA	1 1 5 1	GACCAACAC	345	AGGAAGCAG	TACCAGACGGAGAAG CAGAGGAGGAAGCAG CACCTCAGCCCGGCG	AGGAAGCAG	AGGAAGCAG	AGGAAGCAG	AGGAAGCAG	4
240 241	1	1 1 1	1	3T GAACAG	1	T GAACAG	330 331	AG CAGAGG	AG CAGAGG	AG CAGAGG	AG CAGAGG	AG CAGAGG	4G CAGAGG	420 421
٠. ر		1	; 1 1 1 1 1	GCACAGCA(SCACAGCAG	E	GACGGAGA	GACGGAGAP	GACGGAGA	GACGGAGA	GACGGAGA	GACGGAGA	4
225 226	1	 	1 1	TGACT	; ! ! !	TGACT	5 316	TACCA	TACCA	TACCA	TACCA	TACCA	TACCA	5 406
	CGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGCAC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC	TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGCAC TGACTGCACAGCAGT GAACAGGACCAACAC AGTCCCTGGTCTTAA	315	TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAGGAAGCAG CACCTCAGCCCGGCG	TGGTCCGTGCACACC	TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAGGAAGCAG CACCTCAGCCGGGCG	AGCACAGGTGGGCAG AGGCTGCAGACGGGC TGGTCGGTGCACACC TACCAGACGGAGAAG CAGAGGAAGGAAG CACCTCAGCCCGGCG	TGCAGACGGGC TGGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAGGAAGCAG CACCTCAGCCCGGCG	AGCACAGGTGGGCAG AGGCTGCAGACGGGC TGGTCCGTGCACACC TACCAGACGGAGAAG CAGAGGAAGGAAGCAG CACCTCAGCCCGGCG	1 405
10 211	CCTT	C CTT(C CTT(C CTT(CTTC	CTTC	00 301	C TGG'	c TGG1	c TGG	C TGG	C TGG	C TGG	390 391
2	NOC2 TGGGTTTGCCCCAAT GACCGGCAGCTTGCC CTTCGAGCCAAGC-	CGGCAGCTTGC	CGGCAGCTTGC	CGGCAGCTTGC	CGGCAGCTTGC	CGGCAGCTTGC	8	TGCAGACGGG	TGCAGACGGGC	-TGCAGACGGG	CTGCAGACGGG	TGCAGACGGG	GCTGCAGACGGG	÷
195 196	AT GA(YT GAC	NT GAC	AT GAC	T GAC	T GAC	285 286	1	!	!	AG AGG	; ;	AG AGG	375 376
	GTTTGCCCCA	GTTTGCCCCAA	GTTTGCCCCAA	GTTTGCCCCAA	STTTGCCCCAA	GTTTGCCCCAA			1 1 1 1 1 1	; ; ; ; ; ;	ACAGGTGGGCA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:ACAGGTGGGCP	
181	c2 TG						271	C2		1				361
	N O N	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NEL					

384

269

1 NOC2 GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG

2 NL1 GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGGCGG CTGGTGGAGCGGCTG

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630	TTCTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	6 LC4
564	TTCTGCAAAGACTGC AGGAAGAAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	5 LC3
630	TTCTGCAAAGACTGC AGGAAGAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	4 LC2
564	TTCTGCAAAGACTGC AGGAAGAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	3 LC1
495	TTCTGCAAAGACTGC AGGAAG	2 NL1
9	1 NOC2 TTCTGCAAAGACTGC AGGAAGAAGTCTGC ACCAAATGTGGGATC GAGGCCTCCCCTGGC CAGAAGCGGCCCCTG TGGCTGTGTAAGATC	1 NOC
	541 555 556 570 571 585 586 600 601 615 616 630	
540	GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCGGGGAG GTGCTGGGGCTTCCTG GGCAGCTCGTCGTTG	6 LC4
474	GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTGCGGGGAG GTGCTGGGGCTTCCTG GGCAGCTCGTCGTTG	5 LC3
540	GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGGTG	4 LC2
474	GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGGCTTCCTG GGCAGCTCGTCGGTG	3 LC1
474	GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGCGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGTT	2 NL1
359	1 NOC2 GAGACCATGAGGCGG AATGTGATGGGGAAC GGCCTGTCCCAGTGT CTGCTCTGGGGGAG GTGCTGGGCTTCCTG GGCAGCTCGTCGTG	1 NOC.
	451 465 466 480 481 495 496 510 511 525 526 540	
4 3 0	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	6 LC4
384	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGGCGG CTGGTGGAGCGGCTG	5 LC3
450	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGGCGG CTGGTGGAGCGGCTG	4 LC2
384	GAGGTGGAGGCCATC CTGCAGGTCATCCAG AGGGCAGAGCGGCTC GACGTCCTGGAGCAG CAGAGAATCGGGCGG CTGGTGGAGCGGCTG	3 LC1

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		631 645	646	660 661	675 676	690 691	705 706 720	
	NOC2	TGCAGTGAGCAAAG	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	G TCGGGGGCCTGGTTC	TTC TACAAAGGGCTCCC	C AAGTATATCTTGC	TACAAAGGGCTCCCC AAGTATATCTTGCCC CTGAAGACCCCTGGC	539
7	NL1		GTCTGGAAGAGG	s resessectiserre	ITC TACAAAGGGCTCCCC	C AAGTATATCTTGCCC	CC CTGAAGACCCCTGGC	567
3	LC1	TGCAGTGAGCAAAG	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	3 TCGGGGGCCTGGTTC	TTC TACAAAGGGCTCCCC	C AAGTATATCTTGCCC	CC CTGAAGACCCCTGGC	654
4	LC2	TGCAGTGAGCAAAG	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	G TCGGGGGCCTGGTTC	TTC TACAAAGGGCTCCCC	C AAGTATATCTTGCCC	CC CTGAAGACCCCTGGC	720
5	LC3	TGCAGTGAGCAAAG?	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	G TCGGGGGCCTGGTTC	TTC TACAAAGGGCTCCCC	C AAGTATATCTTGCCC	CC CTGAAGACCCCTGGC	54
9	LC4	TGCAGTGAGCAAAG?	TGCAGTGAGCAAAGA GAGGTCTGGAAGAGG	G TCGGGGGCCTGGTTC	TTC TACAAAGGGCTCCCC	C AAGTATATCTTGCCC	CC CTGAAGACCCCTGGC	720
		721 735	736	750 751	765 766	80 781	795 796 810	
	NOC2	CGAGCTGATGACCC	1 NOC2 CGAGCTGATGACCCC CACTTCCGACCTTTG	'G CCCACGGAACCGGCA	GCA GAGCGAGAGCCCAC	GAGCGAGAGCCCAGA AGCTCTGAGACCAGC	GC CGCATCTACACGTGG	629
7	NL1	CGAGCTGATGAGCC	CGAGCTGATGAGCCC CAGTTCCGACCTTGG	G CCCACGGAACCGGCA	GCA GAGCGAGAGCCCAGA	A AGCTCTGAGACCAGC	GC CGCATCTACACGTGG	657
\sim	3 LC1	CGAGCTGATGACCCC	CGAGCTGATGACCCC CACTTCCGACCTTTG	G CCCACGGAACCGGCA		GAGCGAGAGCCCAGA AGCTCTGAGACCAGC	GC CGCATCTACACGTGG	744
4	rc2	CGAGCTGATGACCC	CGAGCTGATGACCCC CACTTCCGACCTTTG	G CCCACGGAACCGGCA		GAGCGAGAGCCCAGA AGCTCTGAGACCAGC	GC CGCATCTACACGTGG	810
5	LC3	CGAGCTGATGACCCC	CACTTCCGACCTTTG	G CCCACGGAACCGGCA	SCA GAGCGAGAGCCCAGA	A AGCTCTGAGACCAGC	GC CGCATCTACACGTGG	744
9	6 LC4	CGAGCTGATGACCC	CGAGCTGATGACCCC CACTTCCGACCTTTG	G CCCACGGAACCGGCA	SCA GAGCGAGAGCCCAG	GAGCGAGAGCCCAGA AGCTCTGAGACCAGC	GC CGCATCTACACGTGG	010
		811 825	826	840 841	855 856 8	870 871	885 886 900	
7	NOC2	NOC2 GCCCGAGGAAGAGT-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		643
2	NL1	GCCCGAGGAAGAGT-			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			671
~	3 LC1	GCCCGAGGAAGAGT-	: : : : : : : : : :	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			; ; ; ; ; ; ; ;	758

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824	834	006			689	717	804	870	924	066			179	807	894	096
 	GAAAACACCATGCGA AGTGGAAGAAGCCGG	GAAAACACCATGCGA AGTGGAAGAAGCCGG		066	CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC	G GTTTCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	GTTTCCAGTGACAGT GACAGTGACTCGGAT CTTAGCTCCTCCAGC	CTTAGCTCCTCCAGC		1080	NOC2 CTAGAGGACAGACTC CCATCCACTGGGGTC AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAAGG	GAGTCAGGTGGCAGC GTGGAGGCCCCCCAGG	GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG
1	AGTGGAA	AGTGGAA		916	CTTAGCI	CTTAGCT	CTTAGCT	CTTAGCT	CTTAGCT	CTTAGCT		1066	GTGGAGG	GTGGAGG	GTGGAGG	GTGGAGG
 	CATGCGA	CATGCGA		975	CTCGGAT	CTCGGAT		CTCGGAT	CTCGGAT	CTCGGAT		1065	TGGCAGC	TGGCAGC	TGGCAGC	TGGCAGC
i ! ! ! !	BAAAACAC	SAAAACAC		961	GACAGTGACTCGGAT	GACAGTGACTCGGAT	SACAGTGA	SACAGTGA	BACAGTGA	GACAGTGACTCGGAT		1051	SAGTCAGG	BAGTCAGG'	3AGTCAGG	SAGTCAGG
 				096	GACAGT	GACAGT 0	GACAGT 0	GACAGT 0	GACAGT 0			1050 1051	TGGAAG	TGGAAG 0	TGGAAG G	TGGAAG G
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CTGGATGA	CCTGGATGAGTCCTT		946	GTTTCCAGTGACAGT	GTTTCCAGTGACAGT	GTTTCCAGTGACAGT GACAGTGACTCGGAT	ITTCCAGT	TTTCCAGT	GTTTCCAGTGACAGT		1036	ACAAACCC	GACAAACCCTGGAAG	GACAAACCCTGGAAG	ACAAACCC
2 1 1 1	TGATCCACGCTGCAG CCTGGATGAGTCCTT	CTGCAG C		945	9	G	9 9	G	scagre G			1035 1	AAAGGC G	AAAGGC G	AAAGGC G	AGGGACCGGAAAGGC GACAAACCCTGGAAG
1	BATCCACG	TGATCCACGCTGCAG		931	 	; ; ; ;	! ! !	1	TCTATATGAGCAGTG	TCTATATGAGCAGTG		021	GGGACCGG	AGGGACCGGAAAGGC	AGGGACCGGAAAGGC	3GGACCGG
; ! !				930	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ! ! !	; ; ; ;	1 1 1 1 1				1020 1021	GGGTC A			GGGTC AC
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GCCCGAGGAAGAGTC GTAGGAAGAAGTGC	GCCCGAGGAAGAGTC GTAGGAAGAAAGTGC	1	9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	!	 		AGACGAAAGGCCGCG TGTTGTGTGATCTCA	AGACGAAAGGCCGCG TGTTGTGTGATCTCA		900	ATCCACTO	CTAGAGGACAGACTC CCATCCACTGGGGTC	CTAGAGGACAGACTC CCATCCACTGGGGTC	CTAGAGGACAGACTC CCATCCACTGGGGTC
AGT	AGTC GT	AGTC GT		915 916	1 1 1	 	; ; ;	i 1 1 1	CGCG TG	CGCG TG		1005 1006	BACTC CC	ACTC CC	ACTC CC	ACTC CC
LC2 GCCCGAGGAAGAGT-	CGAGGAAG	CGAGGAAG			1 1 1	 	1 1 1 1 1	 	CGAAAGGC	CGAAAGGC	·		GAGGACAG	GAGGACAG	GAGGACAG	GAGGACAG
GCC				901			1	1	-	AGA		991	2 CTA		CTA	
4 LC2	5 LC3	6 LC4			1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4			1 NOC	2 NL1	3 LC1	4 LC2

DSSKHZE DSEGI

1014	1080		847	897	84	1050	1104	1170		929	987	4	1140	1194	1260
CCCCAGG	CCCCAGG	1170	1 1 1	CCCGCCA	CCCGCCA	ACCCGCCA	CCCGCCA	ACCCGCCA	1260	SACGAGCC	SACGAGCC	BACGAGCC	SACGAGCC	BACGAGCC	BACGAGCC
GTGGAGGC	GTGGAGGC	1156	; ; ; ;	TCTGCTGA	TCTGCTGA	TCTGCTGA	TCTGCTGA	TCTGCTGA	1246	ACACCTG	ACACCTGGACGAGCC	ACACCTGO	ACACCTGO	ACACCTGO	ACACCTGO
TGGCAGC	TGGCAGC	1155	1	GAGACGGCCACAGGC TCTGCTGACCCGCCA	SCACAGGC	SCACAGGC	GAGACGGCACAGGC TCTGCTGACCCGCCA	GAGACGGCACAGGC TCTGCTGACCCGCCA	1245	TAAAAGAC	TAAAAGAC	IAAAAGAC	FAAAAGAC	FAAAAGAC	GCCCCGGTAAAAGAC ACACCTGGACGAGCC
GAGTCAGG	GAGTCAGG	1140 1141	GAGACGG	GAGACGGG	GAGACGGG	GAGACGG	GAGACGGG		1230 1231	9500005	GCCCCGGT	GCCCCGG1	GCCCCGG1	GCCCCGGJ	
AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	AGGGACCGGAAAGGC GACAAACCCTGGAAG GAGTCAGGTGGCAGC GTGGAGGCCCCCAGG	1140	TCTGGGTGCCAGAGC AGCCTGGCCAGTGGT GAGACGGG-	TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT	TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCCGCCA	TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT GAGACGGGCACAGGC TCTGCTGACCCGCCA	TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT	TTTGGGTTGCAGAGC AGCCTGGCCAGTGGT	123(GGGGGACCCCGCCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	GGGGGACCCCGCCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC	GGGGGAGGGACAGGC TCTGCTGACCCGGCCA GGGGGACCCCGCCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	GGGGGAGGGACAGGC TCTGCTGACCCGCCCA GGGGGACCCCGCCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	GGGGGACCCCGCCCC GGGCTGACCCGAAGG GCCCCGGTAAAAGAC ACACCTGGACGAGCC	GGGGGACCCCCCCC GGGCTGACCCCGAAGG
GACAAAC	GACAAAC	1126	AGCCTGG	AGCCTGG	AGCCTGG	AGCCTGG	AGCCTGG	AGCCTGG	1215 1216	GGGCTGA	GGGCTGA	GGGCTGA	GGGCTGA	GGGCTGA	GGGCTGA
GGAAAGGC	GGAAAGGC	1125	GCCAGAGC	TGCAGAGC	TGCAGAGC	TGCAGAGC	TGCAGAGC	TGCAGAGC	1215	וכככפככככ	ವವವಶವವಾ	ລລລສລລລ	ລລລສລລລ	ລລລອລລລ	ລລລອລລລ
		0 1111	c rereger						0 1201	A GGGGGAC	GGGGGAC	GGGGGAC	GGGGGAC	GGGGGAC	GGGGGAC
CTAGAGGACAGACTC CCATCCACTGGGGTC	CTAGAGGACAGACTC CCATCCACTGGGGTC	111(GCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	ATGGGGTTCACCCAA CCCGCGGGCCACCTC	1200	GACAGGC TCTGCTGACCCGCCA	GGGGAGGGACAGGC TCTGCTGACCCGCCA	ACCCGCCA	ACCCGCCA	GGGGGAGGACAGGC TCTGCTGACCCGCCA	GGGGGGGGACAGGC TCTGCTGACCCGCCA
CCATCCA	CCATCCA	5 1096) පටය පටය	9909000	9909000	5505000	9929222	9909000	5 1186	: TCTGCT(TCTGCTG	TCTGCT	TCTGCTG	TCTGCT	TCTGCT
ACAGACTC	ACAGACTC	1095	TCACCCAC	TCACCCAA	TCACCCAA	TCACCCAA	TCACCCAA	TCACCCAA	1185	-GACAGGC	GGACAGGC	GGACAGGC	GGACAGGC	GGACAGGC	GGACAGGC
	CTAGAGG	1081	NOC2 ATGGGGTTCACCCAC CCGCCGGGCCACCT	ATGGGGT	ATGGGGT"	ATGGGGT	ATGGGGT'	ATGGGGT'	1171	1 1	GGGGGAG	GGGGGAG		GGGGGAG	9999999
5 LÇ3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4

	1019	1017	1164	1230		1350		1109	1167	1254	1320	1374	°)	
1350	GATTCCT	GATTCCT	GATTCCT	GATTCCT	GATTCCT	GATTCCT	1440	TGGGAGC	TGGGAGC	'TGGGAGC	TGGGAGC	TGGGAGC	TGGGAGC		
1335 1336	NOC2 CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	TCCAGCTGCCTGGGC TGAGGTGTCTGGTGC CTGGAACAGACTTCC CTGTGGAGGATTCCT	5 1426	GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	GICCTIGIGCCCICA CCAGACACCCIGITG GCCAIGACTCAACAA ACCAGIGIIGGGAGC	GICCITGIGCCCICA CCAGACACCCTGITG GCCAIGACTCAACAA ACCAGIGITGGGAGC	CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	GTCCTTGTGCCCTCA CCAGACACCCTGTTG GCCATGACTCAACAA ACCAGTGTTGGGAGC	GICCTIGIGCCCTCA CCAGACACCCTGTIG GCCAIGACTCAACAA ACCAGIGTIGGGAGC		
1335	AGACTTCC	AGACTTCC	AGACTTCC	AGACTTCC	AGACTTCC	AGACTTCC	1425	CTCAACAA	CTCAACAA	CTCAACAA	CTCAACAA	CTCAACAA	CTCAACAA		
0 1321	CTGGAAC	CTGGAAC	CTGGAAC	CTGGAAC	CTGGAAC	CTGGAAC	1410.1411	3 GCCATGA	GCCATGA	GCCATGA	s GCCATGA	3 GCCATGA	3 GCCATGA		
1320	GTCTGGTG	GTCTGGTGC	GTCTGGTGC	GTCTGGTGC	GTCTGGTGC	GTCTGGTGC	141	ACCCTGTT	ACCCTGTTC	ACCCTGTTC	ACCCTGTTC	ACCCTGTT	ACCCTGTT		
1305 1306	TGAGGT	TGAGGT	TGAGGT(TGAGGT	TGAGGT	TGAGGT	1396	CCAGAC	CCAGAC	CCAGAC	CCAGAC	CCAGAC	CCAGAC		
1305	reccressc	GCCTGGGC	GCCTGGGC	GCCTGGGC	GCCTGGGC	GCCTGGGC	1395	STGCCCTCA	STGCCCTCA	STGCCCTCA	GTCCTTGTGCCCTCA	STGCCCTCA	STGCCCTCA		
0 1291	TCCAGC	: TCCAGCI		TCCAGCT	TCCAGCT	TCCAGCT	0 1381	3 GTCCTT		GTCCTT(
1290	SCAGGCCCC	CAGGCCCC	CAGGCCCC	CAGGCCCC	CAGGCCCC	CAGGCCCC	1380	CCTGACC	CCTGACCG	CCTGACCG	CCTGACCG	CCTGACCC	CCTGACCC		
1275 1276	A GCTCCAC	GCTCCAG	GCTCCAG	GCTCCAG	GCTCCAG	GCTCCAG	5 1366	3 GCTCCT	GCTCCTC	GCTCCTC	GCTCCTC	GCTCCTC	GCTCCTC		
127	SCTGACGCA	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC	CTGACGCA	CTGACGCA	CCCGCTGCTGACGCA GCTCCAGCAGGCCCC	1365	CCTGCCCC	GCCAGACCCTGCCCG GCTCCTCCCTGACCG	GCCAGACCCTGCCCG GCTCCTCCCTGACCG	GCCAGACCCTGCCCG GCTCCTCCCTGACCG	GCCAGACCCTGCCCG GCTCCTCCCTGACCG	GCCAGACCCTGCCCG GCTCCTCCCTGACCG		
1261	CCCGCTG	CCCGCTG	CCCGCTG				1351	NOC2 GCCAGACCCTGCCCG GCTCCTCCCTGACCG							
	1 NOC.	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		1 NOC	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4		

1 NOC2 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCCTCAG 1199 3 LC1 CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCTCT GGGAGCTGTCTGCA TCCGCCACCCCTTC AACCACTGCCTCAG 1344 2 NLI CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG CACCCCTTCTCCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCCTCAG 1257 1530 1515 1516 1500 1501 1485 1486 1470 1471 1455 1456

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1410	1464	1530			89	1347	1434	1500	1554	1620	_	1379	7.	1524	1590	1644	1710
ACCACTGCCCTCAG	AACCACTGCCCTCAG	ACCACTGCCCTCAG	1606 1620)) -	TTGGGTTGGGCTGGG	TTGGGTTGGGCTGGG	TTGGGTTGGGCTGGG	TTGGGTTGGGCTGGG	TTGGGTTGGGCTGGG	TTGGGTTGGGCTGGG	1696 1710	TGAAACCTAGGGCAC	TGAAACCTAGGGCAC	TGAAACCTAGGGCAC	TGAAACCTAGGGCAC	AATGGCAAGACTAAA TGAAACCTAGGGCAC	TGAAACCTAGGGCAC
CACCCCTTCTCTCCT GGGGGGGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCCTCAG	CACCCCTTCTCTCT GGGGGGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCCTCAG	CACCCCTICTCTCT GGGGAGCTGTCTGCA TCCGCCACCCCCTCC AACCACTGCCCTCAG		1291	CCTGGTGATTTT AAGTTTGCGCGTGTC	AAGTTTGCGCGTGTC TTGGGTTGGGCTGGG	AAGTTTGCGCGTGTC '	AAGTTTGCGCGTGTC TTGGGTTGGGCTGGG	AAGTTTGCGCGTGTC '	AAGTTTGCGCGTGTC TTGGGTTGGGCTGGG	1681 1695	AATGGCAAGACTAAA TGAAACCTAGGGCAC	AATGGCAAGACTAAA TGAAACCTAGGGCAC	AATGGCAAGACTAAA TGAAACCTAGGGCAC	CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC	AATGGCAAGACTAAA	GCCCGGTGGGGCTAT CTCCGTTGCTATATT AATGGCAAGACTAAA TGAAACCTAGGGCAC
agesascretcrsca	GGGAĞCTGTCTGCA	GGGGAGCTGTCTGCA		1576 1590	CCTGGTGATGATTTT	CACACCCCAATCTA CCTGGTGATGATTTT	CCTGGTGATGATTTT	CCTGGTGATGATTTT	CCTGGTGATGATTTT	CACACCCCAATCTA CCTGGTGATGATTTT	1666 1680	CTCCGTTGCTATATT	CTCCGTTGCTATATT	CTCCGTTGCTATATT	CTCCGTTGCTATATT	CTCCGTTGCTATATT	CTCCGTTGCTATATT
ACCCTTCTCTCT	SACCCTTCTCTCCT	SACCCTTCTCTCT		1561 1575	CACACCCCCAATCTA	CACACCCCCAATCTA	CACACCCCCAATCTA	CACACCCCCAATCTA	CACACCCCCAATCTA	CACACCCCCAATCTA	1651 1665	GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT	GCCCGGTGGGGCTAT	
			1	1546 1560							_	AGTGTCAGAGGGGCC	AGTGTCAGAGGGGCC	GGGTTTCCCACATGC AGTGTCAGAGGGGCC	GEGITTCCCACATGC AGTGTCAGAGGGGCC	GGGTTTCCCACATGC AGTGTCAGAGGGGCC	GGGTTTCCCACATGC AGTGTCAGAGGGGCC
CGTCTGCCTCCCAG CTCAGTGCCTTTCTG	CGTCTGCCTCCCAG CTCAGTGCCTTTCTG	CGTCTGCCTCCCCAG CTCAGTGCCTTTCTG		1531 1545	CCCCGACCTTATT ATTACCCTCCCTCC	CCCCGACCTTATT ATTACCCTCCCTCC	CCCCGACCTTATT ATTACCCTCCCTCC	CCCCGACCTTATT ATTACCCTCCCTCC	CCCCCGACCTTATT ATTACCCTCCCTCC	CCCCCGACCTTATTT ATTACCCTCCCTCC	1631	1821 1933 1933 1933 1933 1933 1933 1933 19	GGGTTTCCCACATGC AGTGTCAGAGGGGCC	GGGTTTCCCACATGC	GGGTTTCCCACATGC	GGGTTTCCCACATGC	GGGTTTCCCACATGC
LC2					NOC2	NL1		201			ە 10-4		1 NOC 2			4 F	6 LC4

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	1469	1527	1614	1680	Z	1800		1559	1617	1704	1770		1890		1649	1707
1800	TCCCTTC	TCCCTTC	TCCCTTC	TCCCTTC	TCCCTTC	TCCCTTC	1890	GTTTCTTTGGTTTTT	rggtttt	rggtttt	GTTTCTTTGGTTTTT	rggtttt	rggtttt	1980	CCACCTCC	CCACCTCC
5 1786	S TCTCCCTCTCCCTTC	TCTCCCTC	TCTCCCTC	TCTCCCTC	CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTTC	15 1876		A GTTTCTT1	A GTTTCTT1	A GTTTCTT	A GTTTCTTTGGTTTTT	A GTTTCTT1	1965 1966	T GCAACCT	T GCAACCT
1785	GAGACTCACCCACCC	CACCCACC	CACCCACCC	CACCCACC	CACCCACC	CACCCACC	1875	AGGACCGCGGGTGAA ACCTGGGTCTGTTTA	SGTCTGTTT	SGTCTGTTT	3GTCTGTTT	GTCTGTTT	SGTCTGTTT	19	GCGGCTCAC	SCGGCTCAC
1770 1771		GAGACT	GAGACT	GAGACT	GAGACT	GAGACT	0 1861	ACCTG	ACCTG	, ACCTG	ACCTG	ACCTGG	ACCTG	1950 1951	A CGATC	. CGATC
1770	TGAGGGG	TGAGGGG	TGAGGGG	TGAGGGG	TGAGGGG	TGAGGGG	1860	cGGGTGA♪	GGGTGAA	GGGTGAA	SGGGTGAA	GGGTGAA	GGGTGAA	195	CAGTGGCA	SAGTGGCA
1756	CAGAGCAG	CAGAGCAG	CAGAGCAG	CAGAGCAG	CAGAGCAG	CAGAGCAG	1846		AGGACCGC	AGGACCGC	AGGACCGC	AGGACCGC	AGGACCGC	1936	TGGGGTG	TGGGGTGC
1755	GGTGAGCATCAGAGC CAGAGCAGTGAGGGG	GGTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	GTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	GGTGAGCATCAGAGC CAGAGCAGTGAGGGG GAGACTCACCCACCC TCTCCCTCTCCCTTC	GGTGAGCATCAGAGC (GGTGAGCATCAGAGC	1845	CCCATGGGCTGGCCC	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTT	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTT	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA	CCCATGGGCTGGCCC AGGACCGCGGGTGAA ACCTGGGTCTGTTTA GTTTCTTTGGTTTT	1935	CTTTGTTGCCCAGGC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	CITTGITGCCCAGGC IGGGGIGCAGIGGCA CGAICGCGGCICACI GCAACCICCACCICC
1741	GGTGAGG	GGTGAGC	GGTGAGC	GGTGAGC	GGTGAGG	GGTGAG	1831	CCCATG	CCCATG	CCCATG	CCCATG	CCCATG	CCCATG	1921		CTTTGT
1740		CCCTTAGA	CCCCTTAGA	GTGTGGCCCCTTAGA		CCCCTTAGA	1830	STGCCCCCT	TGCCCCCCT	TGCCCCCCT	TGCCCCCT	TGCCCCCT	TGCCCCCT	1920	SACAGTCTCG	ACAGTCTCG
1726	GTGTGG	GTGTGG(GTGTGG	GTGTGG	GTGTGG	GTGTGG	1815 1816	GCGCAG	GCGCAG	GCGCAG	GCGCAG	GCGCAG	GCGCAG	1906	TTTGAC	TTTGAC
1 1725	TCCGAAG	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA G	GGCCTCCGAAGCTGC	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA	GGCCTCCGAAGCTGC GTGTGGCCCCTTAGA		1 NOC2 AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	AGCTCTGGGAGGCAG GCGCAGTGCCCCCT	891 1905	GTATGTTTGTT TTTGACACAGTCTCG	GTATGTTTGTT TTTGACACAGTCTCG
1711	 OC2 GGC	1,1N GGC					1801	IOC2 AG	NI.1 AGO			LC3 AGG			NOC2 GT	NL1 GT
	z							-	. ~			5			7	2

1980	GCAACCTCCACCTCC	CGATCGCGGCTCACT	TGGGGTGCAGTGGCA	CTTTGTTGCCCAGGC	5 LC4 GTATGTTTGTTTGTT TTTGACACAGTCTCG CTTTGTTGCCCAGGC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	LC4 GTATGTT	10
(LC3 GIAIGII	_
1914	GCAACCTCCACCTCC	CGATCGCGGCTCACT	TGGGGTGCAGTGGCA	CTTTGTTGCCCAGGC		E	
1860	GCAACCTCCACCTCC	CGATCGCGGCTCACT	TGGGGTGCAGTGGCA	CTTTGTTGCCCAGGC	LC2 GTATGTTTGTTTGTT TTTGACACAGTCTCG CTTTGTTGCCCAGGC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	LC2 GTATGTT	
1794	GCAACCTCCACCTCC	CGATCGCGGCTCACT	TGGGGTGCAGTGGCA	CTTTGTTGCCCAGGC	LCI GTATGTTTGTTTGTT TTTGACACAGTCTCG CTTTGTTGCCCAGGC TGGGGTGCAGTGGCA CGATCGCGGCTCACT GCAACCTCCACCTCC	LC1 GTATGTT	~
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	1739	1797	1884	1950	2004	2070
2055 2056 7 2070	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTAG	CCTGÁGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTTAG	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTAG	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTAG	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTAG	CCTGAGTAGGTGGGA TTACAGATGCCCGCC ACCACACCCAGTTAA TTTTTGTATTTTTAG
2040 2041	ACCACA	ACCACA	ACCACA	ACCACA	ACCACA	ACCACA
	TTACAGATGCCCGCC	rtacagargcccgcc	TTACAGATGCCCGCC	TTACAGATGCCCGCC	TTACAGATGCCCGCC	TTACAGATGCCCGCC
2011 2025 2026	CCTGAGTAGGTGGGA	ccrgágtaggregga '	CCTGAGTAGGTGGGA '	CCTGAGTAGGTGGGA	CCTGAGTAGGTGGGA	ccrgagraggragga '
1995 1996 2010						
1981 1995	1 NOC2 CGGGCTCAAGCGATT CTCTCACCTCAGCCT	CGGGCTCAAGCGATT CTCTCACCTCAGCCT	CGGGCTCAAGCGATT CTCTCACCTCAGCCT	4 LC2 CGGGCTCAAGCGATT CTCTCACCTCAGCCT	CGGGCTCAAGCGAIT CTCTCACCTCAGCCT	CGGGCTCAAGCGATT CTCTCACCTCAGCCT
	1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4

	1829	1887	1974	2040
2160	GTGCTGGGA	GTGCTGGGA	GTGCTGGGA	GTGCTGGGA
2145 2146	CT CCCAAA	T CCCAAA	T CCCAAA	T CCCAAA
21	GCCTCGGC	SCCTCGGCC	BCTCGGCC	SCCTCGGCC
2130 2131	TC CGCCC	דכ כפכככ	TC CGCCC	TC CGCCC
	CTCAAGTGA	TCAAGTGA	TCAAGTGA	TCAAGTGA
2115 2116	CC TGGT	CC TGGTC	CC TGGTC	CC TGGTC
	TCTTGAACT	TCTTGAACT	CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA
2100 2101	AGG CTGG	AGG CTGG	AGG CTGG	AGG CTGG
	NTGTTGGCC	TGTTGGCC	TGTTGGCC	TGTTGGCC
2085 2086	IC TCCA	C TCCA	C TCCA	C TCCA
	1 NOC2 AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	2 NL1 AAGAGATGGGGTTTC TCCATGTTGGCCAGG CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	3 LC1 AAGAGATGGGGTTTC TCCATGTTGGCCAGG	4 LC2 AAGAGATGGGGTTTC TCCATGTTGGCCAGG
2071	C2 AAG	1 AAG	1 AAG	2 AAG
	1 NO	2 NL	3 FC	4 LC

2094	2160		1919	1977	4	2130	2184	2250		2009	2067		2220	2274	2340
CCCAAAGTGCTGGGA	CCCAAAGTGCTGGGA	2236 2250	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	AGCCTGTCTTCAGCT	2326 2340	GGGCACGTGGCTCCC	GGGCACGTGGCTCCC	GGGCACGTGGCTCCC	GGGCACGTGGCTCCC	GGGCACGTGGCTCCC	GGGCACGTGGCTCCC
CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	CTGGTCTTGAACTCC TGGTCTCAAGTGATC CGCCCGCCTCGGCCT CCCAAAGTGCTGGGA	2221 2235	ATTAGGITTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	ATTAGGTTTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	ATTAGGTTTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	ATTAGGITTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	ATTAGGTTTCTTTGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	AITAGGITTCTITGA ATCCCCTCATGGCCT GCCTGGTTTTTGCTC AGCCTGTCTTCAGCT	0 2311 2325	TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	GIGCAICCCCAGCCA GGGCACGIGGCICCC	TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC	TGAACTCACTTGCTG AAGAGCAGCGTTCAG GTGCATCCCCAGCCA GGGCACGTGGCTCCC
TGGTCTCAAGTGATC	TGGTCTCAAGTGATC	5 2206 2220	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	ATCCCCTCATGGCCT	5 2296 2310	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	TGAACTCACTTGCTG AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG	AAGAGCAGCGTTCAG
CTGGTCTTGAACTCC	CTGGTCTTGAACTCC	2191 2205	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	ATTAGGTTTCTTTGA	2281 2295			TGAACTCACTTGCTG			
	TCCATGTTGGCCAGG	2176 2190	ACCGCACCAATCCT	ACCGCACCCAATCCT	ACCGCACCCAATCCT	ACCGCACCCAATCCT	ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	5 2266 2280	CTCTGGTGGATGCTA	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA	TGAGGAGCTGGGAAG CTCTGGTGGATGCTA
AAGAGATGGGGTTTC TCCATGTTGGCCAGG	AAGAGATGGGGTTTC TCCATGTTGGCCAGG	2161 2175	NOC2 TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC ACCGCACCCAATCCT	TTACAGGTGTGAGCC	2251 2265	NOC2 TGAGGAGCTGGGAAG CTCTGGTGGATGCT	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG	TGAGGAGCTGGGAAG
5 LG3			l NOC2	2 NL1	3 LC1	4 LC2	S LC3	6 LC4		1 NOC2	2 NL1	3 LC1	4 LC2	5 LC3	6 LC4

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	2099	2157	2244		2364	2430		2189	2247	2334	2400	2454	0	
2430	GAAAACCCTT	SAAAACCCTT	SAAAACCCTT	SAAAACCCTT	SAAAACCCTT	SAAAACCCTT	2520	TTCCTGGGTC	CCGGGTTCCTGGGTC	TTCCTGGGTC	TTCCTGGGTC	TTCCTGGGTC	TTCCTGGGTC	
2416	TTCTG	TTCTG	TTCTG	TTCTG	TTCTG	TTCTG	2506	55555	CCGGG	999၁၁	99900	55522	55522	
2415	TGGGCAAATGC	rggcaaatgc	rgggcaaatgc	regecaratec	1GGGCAAATGC	rgggcaaatgc	1 2505	TGCCCCAAACC	TGCCCCAAACC	TGCCCCAAACC	TGCCCCAAACC	CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	TGCCCCAAACC	
2401	AGTA	AGTA	AGTA'	AGTA	AGTA	AGTA	2491	CTCC	CTCC	CTCC	CTCC	CTCC	CTCC	
. 2400	TTCATTCAG	TTCATTCAG	TTCATTCAG	TTCATTCAG	rtcattcag	rtcattcag	2490	CCTTCCTGC	CCTTCCTGC	CCTTCCTGC	CCTTCCTGC	CCTTCCTGC	CCTTCCTGC	
2386.	AAATAC	JAATAC	AAATAC	AAATAC	VAATAC	VAATAC	2476	TCCCAT	rccat	TCCCAT	TCCCAT	TCCCAT	TCCCAT	
2371 2385	TITGGCITGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	TTTGGCTTGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	TITGGCTTGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	TTTGGCTTGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	TTTGGCTTGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	TITGGCTTGGCATGA AAATACTTCATTCAG AGTATGGGCAAATGC TTCTGGAAAACCCTT	2461 2475	TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC	TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	TCGGTGATCACACCC TCCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	TCGGTGATCACACCC TCCCATCCTTCCTGC	TCGGTGATCACACCC ICCCATCCTTCCTGC CTCCTGCCCCAAACC CCGGGTTCCTGGGTC	
2356 2370														
2341 2355 2	NOC2 TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	TEAGCEATGAATTCA CTTCTCTCAGGAGG	TCAGCCATGAATTCA CTTCTCTTCAGGAGG	2445 2	GAAGAGAGA	CCCTGAAGAGAGA ACGTGTGTGTGTGTG	CCCTGAAGAGAGAGA ACGTGTGTGTGTGT	CCCTGAAGAGAGA ACGTGTGTGTGTG	CCCTGAAGAGAGA ACGTGTGTGTGTGTG	CCCTGAAGAGAGA ACGTGTGTGTGTG	
-	NOC2	NL1		1.C2	י בי)	7014		2 NET		4 LC2	6 LC4	

2 NL1 TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTGTCCT TGCTGCCAAACA GTAAAGAAACTCACT 2337 1 NOC2 TGGAAGGGCCTTCTC TCCAAGCTGGAAGCT CCTGGGCCCCCCACCA TTCACTTTTTGTCCT TGCTGGCAAACA GTAAAGAAACTCACT 2279 2595 2596 2580 2581 2565 2566 2550 2551 2535 2536

TISSACIS OSEST

96	3 I.C.I MADTIFGSGNDOWVC PNDRQLALRAKLQTG WSVHTYQTEKQRRKQ HLSPAEVEAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	Q RAERLDVLEÇ	SPAEVEAILQVI	KQ HLS	ISVHTYQTEKQRR	KLQTG W	PNDRQLALRA	AADTIFGSGNDOWV	۶ ار
	MADTIFGSGNDQWVC PNDRQLALRAKLQTG WSVHTYQTEKQRRKQ HLSPAEVEAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	Q RAERLDVLEQ	SPAEVEAILQVI	KQ HL9	SVHTYQTEKQRR	KLQTG W	: PNDRQLALRA	(ADT I FGSGNDQWVC	2 NL1 N
	1 NOC2 MADTIFGSGNDQWVC PNDRQLALRAKLQTG WSVHTYQTEKQRRKQ HLSPAEVEAILQVIQ RAERLDVLEQQRIGR LVERLETMRRNVMGN	IQ RAERLDVLEÇ	SPAEVEAILQVI	KQ HLS	JSVHTYQTEKQRR	KLQTG W	C PNDRQLALRA	AADTI FGSGNDQWV	1 NOC2
06	75 76 9	60 61		45 46	31	30	15 16	. 1	
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			2538	A AAA	ACAATGAAGATT	ATTA AA	TATGCTTCAGA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA	4 LC2 T1
			2472	A AAA	ACAATGAAGATT.	ATTA AA	TATGCTTCAGA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA	3 LC1 T1
			2385	A AAA	ACAATGAAGATT	ATTA AA	TATGCTTCAGA	TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA	2 NL1 TT
			2327	'A AAA	ACAATGAAGATT	ATTA AA	TATGCTTCAGA	NOC2 TTCCCTGTGGCACGT TATGCTTCAGAATTA AAACAATGAAGATTA AAA	1 NOC2 T
			(O	5 2656	2641 2655	2640 26	2626	2611 2625	26
							1		
2610	TGGAAGGGCCTICTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGCTAGGAAACA GTAAAGAAACTCACT	TGCTGCTGGCA	CTTTTTGTCCT	A TTCA	TGGGCCCCCACC?	AGCT CC'	TCCAAGCTGGG1	GAAGGGCCTTCTC	6 LC4 TG
2544	CCTGGGCCCCCACCA TTCACTTTTGTCCT TGCTGCTGGCAAACA GTAAAGAAACTCACT	TGCTGCTGGCA	CTTTTTGTCCT	A TTCA	TGGGCCCCCACCA		TCCAAGCTGGG	TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT	5 LC3 TG
2490	CCTGGGCCCCCCACCA TICACTTTTGTCCT TGCTGCTGGCAAACA GTAAAGAAACTCACT	TGCTGCTGGCA	CTTTTTGTCCT	A TTCA	TGGGCCCCCACCA		TCCAAGCTGGG	TGGAAGGGCCTTCTC TCCAAGCTGGGAGCT	- 4 LC2 TG
2424	IGGAAGGGCCTICTC TCCAAGCTGGGAGCT CCTGGGCCCCCACCA TTCACTTTTTGTCCT TGCTGCTGGCAAACA GTAAAGAAACTCACT	TGCTGCTGGCA	CTTTTTGTCCT	A TTCA	reeecccccacd	AGCT CC	TCCAAGCTGGG	GAAGGGCCTTCTC	3 LC1 ŢG

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DAGETEZE DAREOT

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-		PNURQUALANANAKIO **		, ,	106 120										196 210	RIYTWARGRVVSSDS			KI TIWARGA VOOD	RIYTWARGRVVGRKC	
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PROVISEDS DSDSDLSSSSLEDRL PSTGVRDRKGDKPWK ESGGSVEAPRMGFTQ PAGHLFGLQSSLASG 188	
ESGGSVEAPRMGFTQ	
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